



## Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

**“जानने का अधिकार, जीने का अधिकार”**

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

**“पुराने को छोड़ नये के तरफ”**

Jawaharlal Nehru

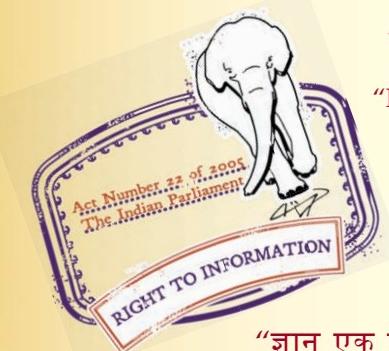
“Step Out From the Old to the New”

IS 7043 (1973): Loom (Fly) Spindles [TXD 14: Machinery for Fabric Manufacture]

**“ज्ञान से एक नये भारत का निर्माण”**

Satyanaaran Gangaram Pitroda

“Invent a New India Using Knowledge”



**“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”**

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





BLANK PAGE



PROTECTED BY COPYRIGHT

**AMENDMENT NO. 1      FEBRUARY 1979**  
**TO**  
**IS : 7043 - 1973 SPECIFICATION FOR**  
**LOOM (FLY) SPINDLES**

**Alterations**

(*Page 1, clause 1, line 1*)—Delete the words 'of 9·5, 11·0 and 12·5 mm diameters'.

[*Page 1, clause 4.1 (b)*]—Substitute the following for the existing clause:

'b) **Diameter**—9·5, 11·0, 12·5, 13·5 or 19·0 mm subject to a tolerance of  $+0\cdot0$   
 $-0\cdot125$  mm.'

(*Page 1, clause 4.2, line 3*)—Substitute '35 HRC minimum' for '25 to 30 HRC'.

(TDC 29)

Printed at Simco Printing Press, Delhi, India



*Indian Standard*  
**SPECIFICATION FOR  
 LOOM (FLY) SPINDLES**

"ਪੁਨਰਾਵਾਦ ੧੯੭੩"  
 "RE-AFFIRMED 1973"

**1. Scope** — Prescribes requirements for loom (fly) spindles of 9.5, 11.0 and 12.5 mm diameters.

**2. Material** — High carbon cold-drawn steel rod with carbon content between 0.7 and 0.8 percent.

**3. Workmanship and Finish** — Spindles shall be free from scars, cracks, traces of rust, burrs or other surface defects. They shall have perfect smooth ground finish. The spindles shall be coated with nickel or chromium.

**3.1** The ends of spindles shall be pointed or rounded.

#### **4. Requirements**

##### **4.1 Dimensions**

a) **Length** — As prescribed by the buyer, subject to a tolerance of  $\pm 1$  mm.

**Note** — The length of spindle normally varies from 500 to 600 mm.

b) **Diameter** — 9.5, 11.0 or 12.5, subject to a tolerance of  $\pm 0.1$  mm.

**4.2 Hardness** — The hardness of the spindle, as measured on Rockwell C scale according to the method prescribed in IS : 1586-1968 'Method for Rockwell hardness test (B and C scales) for steel (first revision)' shall be between 25 to 30 HRC.

**4.3 Tensile Strength** — The tensile strength of spindle when tested according to the method prescribed in IS : 1608-1972 'Method for tensile testing of steel products (first revision)' shall be between 80 to 100 kg/mm<sup>2</sup>.

**4.4 Trueness** — The spindle shall be straight throughout. The outage of spindle shall, however, not exceed 0.05 mm.

**4.4.1** The trueness shall be determined by placing the spindle on V-blocks provided with dial indicators. The readings for outage shall be taken by rotating the spindle.

**5. Marking** — Each spindle shall be marked with manufacturer's name, initials or trade-mark.

**5.1 ISI Certification Marking** — Details available with the Indian Standards Institution, New Delhi 110001.

**6. Packing** — Each spindle shall be coated with antirusting agent. A convenient number of such spindles shall be wrapped in waxed paper or waterproof packing paper and packed suitably in a wooden case or otherwise.

**6.1** Each container of spindle shall be marked with the following:

- a) Name of the item;
- b) Number of spindles packed;
- c) Length and diameter of spindles; and
- d) Manufacturer's name, initials or trade-mark, if any.